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October 29, 1970

Mr. Donald A. Lazarchik, Director  
Division of Industrial Wastes  
Department of Health  
Health & Welfare Building  
Harrisburg, Pennsylvania 17120

Re: Proposal of William Dick & Chemical-  
Leaman Tank Lines, Incorp.  
For Treatment of Wastewater in William  
Dick Lagoons  
West Cain Township, Chester County, Pa.  
October 16, 1970

Dear Don:

I have reviewed the proposal from Chemical-Leaman and offer the following comments. As summarized on page 2 of the proposal, the effluent to be sprayed would have the following characteristics:

COD 1750 mg./e.  
BOD 460 mg./e.  
TOTAL SOLIDS 1780 mg./e.

This effluent, even with a spray application, is not satisfactory. My first thought is that there should be some aeration prior to the spraying on the wooded areas. This aeration could not take place within the Lagoons themselves where the lime and alum had been added, because then the sludge bed would be disturbed. It could probably be done in a separate unit, possibly a medal tank, located adjacent to the Lagoon.

The estimated quantity of 4,000,000 gallons is more than I had anticipated, but points out the fact that we must move

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quickly if we are to adequately handle and dispose of this waste before the cold weather sets in. This is particularly true in light of the proposal to landfill the sludge in place, which will require extensive grading of the site. I would request that you consider my recommendations and incorporate them in your final comments to Chemical-Leaman.

Sincerely yours,

Thomas H. Cahill, P.E.  
Environmental Engineer

THC:plf

cc: Mr. Carl Mease, Assistant Attorney General

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